

WHAT IS CLAIMED IS:

1. In a customer-designer relationship process wherein a customer profile is developed which can then be an input to an algorithmic method for developing an optimized solution for a Server Farm and associated  
5 modules which would be most suitable for the customer, a method for configuring a Server Farm network comprising the steps of:

10 (a) establishing on a Windows screen, a configuration session between the designer and the customer in order to develop the customer's sizing requirements;

15 (b) generating a display report which will recommend the optimum server configuration and other necessary information to optimize the customer's requirements.

2. The method of claim 1 wherein step (a) of said configuration session includes the steps of:

5 (a1) establishing on a Windows screen, the physical site locations where a Server Farm containing terminal servers will be located;

10 (a2) establishing on a Windows screen, the total number of users to be located at each of said sites and the concurrent number of users at any given period of time;

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(a3) establishing on a Windows screen, the User-Types involved at each site which enumerates the number of the various types of specific Users involved;

(a4) establishing on a Windows screen, the application program types that will be used by each of the User-Types;

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(a5) establishing on a Windows screen, the relationship between User-types and Application program types to specify the number of concurrent User-type Users for each Application type.

3. The method of claim 1 which includes wherein step (b) includes the steps of:

5 (b1) establishing on a Windows screen, the default level of availability for the Server Farm and the supporting modules;

(b2) providing an interactive Availability Calculator to determine the desires or future Availability Level of the Server Farm;

10 (b3) determining whether optional software, such as MetaFrame, Load Balancing Software, and ICA Secure Software, will be required for the configuration;

15 (b4) determining the minimum amount of disk capacity required, the minimum amount of memory required, and the network utilization capacity for the Server Farm configuration;

20 (b5) determining a base Server Farm configuration which involves a specific number of Servers which is based on an adjusted number of Users of the Server Farm;

25 (b6) generating and displaying Windows or printed reports which indicate the optimum base server configuration which will also indicate the server availability, the

NUMBER	NAME	ADDRESS	CITY	STATE	ZIP	DATE
1	JOHN	123	NEW YORK	NY	10001	1/1/78
2	JANE	456	LOS ANGELES	CA	90001	1/2/78
3	JOE	789	CHICAGO	IL	60601	1/3/78
4	JACK	101	HONOLULU	HI	96801	1/4/78
5	JILL	202	PHOENIX	AZ	85001	1/5/78
6	JIM	303	PORTLAND	OR	97201	1/6/78
7	JANE	404	SAN FRANCISCO	CA	94101	1/7/78
8	JOHN	505	SEATTLE	WA	98101	1/8/78
9	JANE	606	MINNEAPOLIS	MN	55401	1/9/78
10	JOE	707	DENVER	CO	80201	1/10/78
11	JACK	808	WASH DC	DC	20001	1/11/78
12	JILL	909	BOSTON	MA	02101	1/12/78
13	JIM	1010	ATLANTA	GA	30301	1/13/78
14	JANE	2020	HOUSTON	TX	77001	1/14/78
15	JOHN	3030	NEW ORLEANS	LA	70101	1/15/78
16	JANE	4040	MIAMI	FL	33101	1/16/78
17	JOE	5050	MEMPHIS	TN	38101	1/17/78
18	JACK	6060	INDIANAPOLIS	IN	46201	1/18/78
19	JILL	7070	COLUMBIA	SC	29201	1/19/78
20	JIM	8080	TOPEKA	KS	66601	1/20/78
21	JANE	9090	DES MOINES	IA	50301	1/21/78
22	JOHN	10100	SPRINGFIELD	MA	01101	1/22/78
23	JANE	20200	MASSACHUSETTS	MA	02101	1/23/78
24	JOE	30300	VERMONT	VT	05401	1/24/78
25	JACK	40400	NORTH CAROLINA	NC	27601	1/25/78
26	JILL	50500	SOUTH CAROLINA	SC	29201	1/26/78
27	JIM	60600	MISSISSIPPI	MS	39201	1/27/78
28	JANE	70700	ALABAMA	AL	36101	1/28/78
29	JOHN	80800	LOUISIANA	LA	70101	1/29/78
30	JANE	90900	ARKANSAS	AR	72201	1/30/78
31	JOE	101000	OKLAHOMA	OK	73101	1/31/78
32	JACK	202000	KANSAS	KS	66601	2/1/78
33	JILL	303000	NEBRASKA	NE	68101	2/2/78
34	JIM	404000	MISSOURI	MO	64101	2/3/78
35	JANE	505000	ILLINOIS	IL	60601	2/4/78
36	JOHN	606000	INDIANA	IN	46201	2/5/78
37	JANE	707000	OHIO	OH	43201	2/6/78
38	JOE	808000	PENNSYLVANIA	PA	19101	2/7/78
39	JACK	909000	DELAWARE	DE	19701	2/8/78
40	JILL	1010000	MARYLAND	MD	21201	2/9/78
41	JIM	2020000	VIRGINIA	VA	22201	2/10/78
42	JANE	3030000	NORTH VIRGINIA	NC	27601	2/11/78
43	JOHN	4040000	SOUTH VIRGINIA	VA	22201	2/12/78
44	JANE	5050000	WEST VIRGINIA	WV	26001	2/13/78
45	JOE	6060000	PENNSYLVANIA	PA	19101	2/14/78
46	JACK	7070000	DELAWARE	DE	19701	2/15/78
47	JILL	8080000	MARYLAND	MD	21201	2/16/78
48	JIM	9090000	VIRGINIA	VA	22201	2/17/78
49	JANE	10100000	NORTH VIRGINIA	NC	27601	2/18/78
50	JOHN	20200000	SOUTH VIRGINIA	VA	22201	2/19/78
51	JANE	30300000	WEST VIRGINIA	WV	26001	2/20/78
52	JOE	40400000	PENNSYLVANIA	PA	19101	2/21/78
53	JACK	50500000	DELAWARE	DE	19701	2/22/78
54	JILL	60600000	MARYLAND	MD	21201	2/23/78
55	JIM	70700000	VIRGINIA	VA	22201	2/

4. A system for developing a customer profile which indicates the various capabilities and requirements of the customer to be used as input for generating a optimized configuration report, said system comprising:

5 (a) a plurality of window screens which can be displayed on a personal computer for inputting a series of parameters which develop a customer profile;

10 (b) Windows screens for developing the customer's site locations for his terminal servers, and for inputting the types of users and the number of users that will be using the Server Farm, and for inputting the application program types to be used by each of the users  
15 of the Server Farm;

(c) auxiliary Windows screens for inputting the level of availability expected from the server, the maximum number of users for each server, and the concurrent number of users for  
20 each server plus the use of various benchmark and network utilization parameters;

(d) algorithmic means for calculating and displaying the optimum server configuration suitable for fitting the customer's profile.

5.           A system for collecting and storing customer profile information on a plurality of database information-holding means and utilizing said data via an algorithmic optimization method for providing an optimum set of configurations for a Server Farm most suitable to a customer-user, comprising:

(a) customer-client-user profile development means;

(b) database information-holding means;

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(c) program means for accessing said customer-client-user profile information and said database information to develop an optimized Server Farm configuration for a specific customer.

6. A system for designing, configuring and optimizing a Server Farm for a customer's Enterprise system comprising:

5 (a) a server information database means for holding benchmarks and informational data on a plurality of servers to be utilized;

(b) a sizing database means for holding User-type and Application-type attributes;

10 (c) a configuration database template means for storing information collected from window screens used in the information collection process;

15 (d) a configuration session database means for providing information to an Application Delivery Solution Configurator to enable algorithmic steps to be implemented for developing an optimized configuration for meeting a customer's requirements;

20 (e) Application Delivery Solution Configurator means which provide programmatic methods for accessing information from said server information database means, from said sizing database means; from said configuration database template means, and from said  
25 configuration session database means, for application to a sequence of algorithmic steps which will provide a series of output reports which will indicate optimum Server Farm configurations, said Application Delivery

30           Solution Configurator means also including  
input information developed from customer-  
client-user profile information;

          (f) information means developed from customer  
client-user communication and that of a system  
35           designer which can then be input to said  
Application Delivery Solution Configurator  
means.